

BRIDGE CONTROLLER CONNECTING AN IDE HOST AND A USB DEVICE

Abstract

A bridge controller connects to an integrated drive electronics (IDE) slave interface and a universal serial bus (USB) host or a USB on-the-go (OTG) controller. The bridge controller includes an IDE slave interface for connecting a first system, a USB interface for controlling a USB device, and a control unit electrically connected to the IDE slave interface and the USB interface for transforming IDE transmission data, commands, or status inputted from the IDE slave interface into USB transmission data, commands, or status, and outputting them to the USB interface, and transforming USB transmission data, commands, or status inputted from the USB interface into IDE transmission data, commands, or status, and outputting them to the IDE slave interface.